

product type designation

**Transponder MDS D261**

HF label MDS D261 for RF200/RF300 ISO/MOBY D, PET label, adhesive, ISO 15693, chip type STM LRI2K, user memory 316 bytes/2528 bits; 55x 55x 0.3 mm (LxWxH); minimum order quantity 1000 units.



suitability for operation

RF200, RF300, MOBY D

Technical Product Detail Page

<https://l.siemens.com/1P6GT2600-1AA01-0AX0>

### radio frequencies

operating frequency / rated value

13.56 MHz

range / maximum

450 mm; range is reader dependent: observe  
<http://support.automation.siemens.com/WW/view/en/67384964>

protocol / with radio transmission

ISO 15693

transfer rate / with radio transmission / maximum

26.5 kbit/s

product feature / multitag-capable

Yes

### electrical data

product component / backup battery

No

### memory

type of memory

EEPROM

storage capacity / of the user memory

316 byte

type of memory organization

UID (permanently coded) 8 bytes, user memory 316 bytes, configuration memory 8 bytes

number of read cycles / at ambient temperature < 40 °C / maximum

1E+14

number of write cycles / at ambient temperature < 40 °C / maximum

100000

data retention time / at ambient temperature < 40 °C / not less than

10 a

property of memory

Block-by-block write protection of the user memory

type of transponder chip used

NXP I-Code SLI-x2

### mechanical data

material

Top side + inlay: PET, antenna aluminum

color

white

mounting distance / relating to metal surfaces / recommended / minimum

25 mm

### ambient conditions

ambient temperature

- during read/write access -25 ... +85 °C
- outside the read/write area -25 ... +85 °C
- during storage 20 ... 30 °C

protection class IP

IP65

resistance to mechanical stress

Maximum storage period: 2 years (determined by durability of the adhesive)

### design, dimensions and weights

width

55 mm

height

0.3 mm

depth	55 mm
net weight	1 g
fastening method	one-side adhesible
<b>product features, product functions, product components / general</b>	
product feature	
• printable	Yes
printing process	Thermal transfer process
<b>standards, specifications, approvals</b>	
certificate of suitability	
• IECEx	No
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: identification and localization systems	<a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
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<b>security information</b>	
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**Approvals / Certificates**

**General Product Approval**



[China RoHS](#)

[Manufacturer Declaration](#)

General Product Approval

EMV

[Miscellaneous](#)

[KC](#)

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